

Laser Ranging Ground System

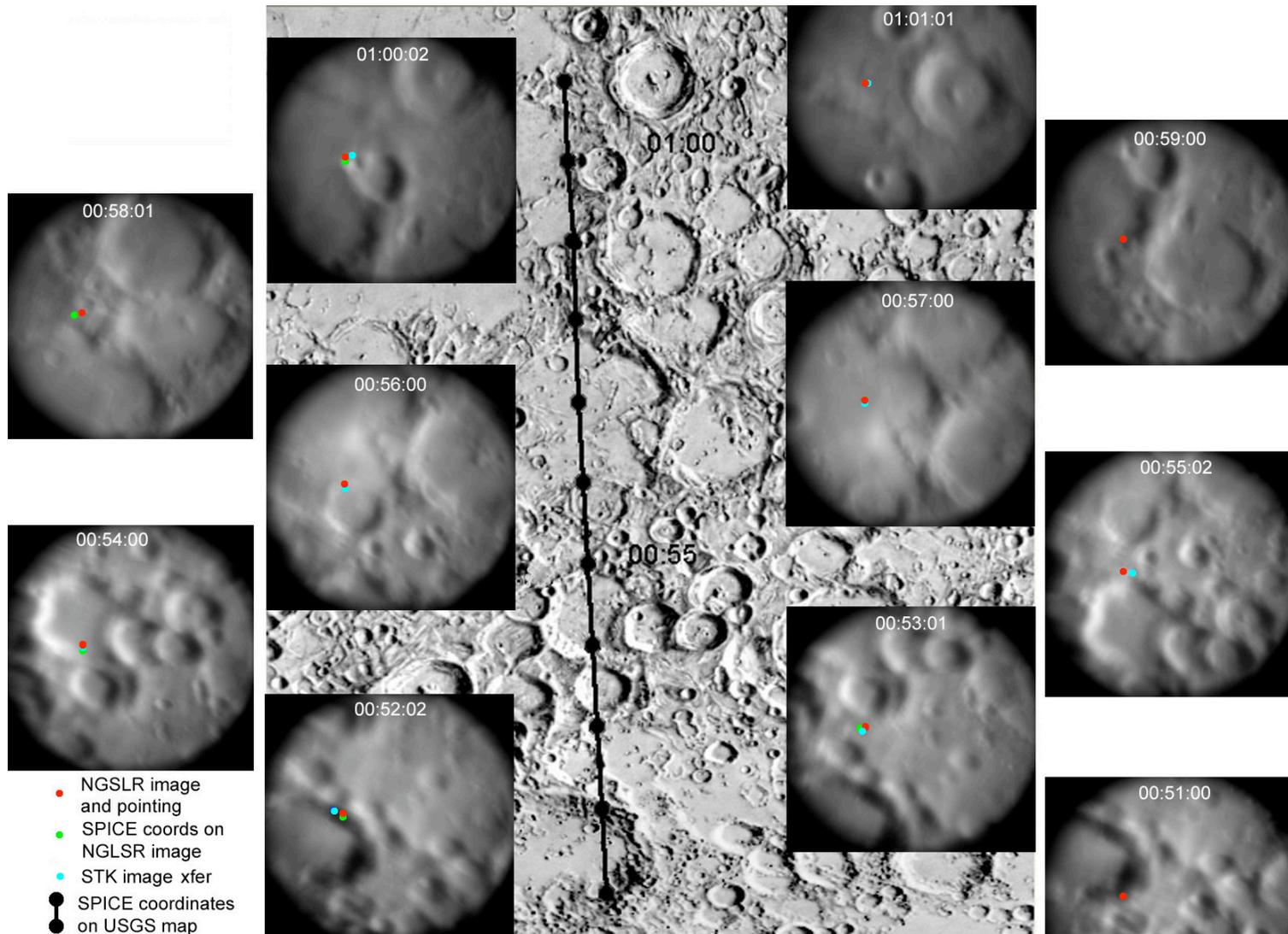
- **Progress**

- **End-to-End Testing with LOLA, LRO, MOC, and others on 6/20 (prelim) and 6/29. Data from 6/20 looks good. Data from 6/29 still being analyzed.**
- **Real-time website for display of HK telemetry was not quite ready for 6/29 test, but should be ready shortly. Plan to test using playback (from MOC if possible, otherwise from LOLA-SOC).**
- **Timing testing with Instrument Scientist has been delayed due to work on E2E testing. Internal checkout of fire times passed in June.**
- **One-way system delay analysis still ongoing.**
- **We continue to periodically range to earth orbiting satellites to keep system ready.**
- **Call for Participation from International Community went out in May. One proposal is in (Zimmerwald, Switzerland) and several verbal indications of participation (Stromlo, Australia; Herstmonceux, England; Grasse, France). South Africa has indicated their interest in participating and we are working with them on a few changes needed to their system to allow them to participate. No response from Matera, Italy, but we believe that they will be participating.**
- **A more realistic LOLA-SOC CRD was given to FDF in late June.**

- **Issues & Risks**

- **None. FY09 SLR funding for NGSLR from NASA HQ has been received.**

Laser Ranging Ground System (cont)



The projected orbit track from 00:51 to 01:01. The large background image is the USGS product and the small insets are NGSLR images. Each NGSLR image can be matched with the USGS map by tracing horizontally from the red dot across to the black dot on the orbit track.